CRF Errors Edited by the STIC Systems Branch

Serial Number: _09/115,589E_

CRF Edit Date: _4/1/05_
Edited by: _AV_

____ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

____ Corrected the SEQ ID NO. Sequence numbers edited were:

_____

____ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

__/__ Deleted: __/__ invalid beginning/end-of-file text ; ___ page numbers

____ Inserted mandatory headings/numeric identifiers, specifically:

_____

____ Moved responses to same line as heading/numeric identifier, specifically:

_____

____ Other:

_____
_____
_____

Revised 09/09/2003

RAW SEQUENCE LISTING   DATE: 04/01/2005
PATENT APPLICATION: US/09/115,589E   TIME: 17:12:37

Input Set : **A:\PTO.AMC.TXT**
Output Set: **N:\CRF4\04012005\I115589E.raw**

```
 3 <110> APPLICANT: Van Eyk, Jennifer E.
 4        Iscoe, Steven D
 5        Simpson, Jeremy A
 7 <120> TITLE OF INVENTION: Methods of Diagnosing Muscle Damage
 9 <130> FILE REFERENCE: 1997-023-02US
11 <140> CURRENT APPLICATION NUMBER: 09/115,589E
12 <141> CURRENT FILING DATE: 1998-07-15
14 <150> PRIOR APPLICATION NUMBER: 60/052,697
15 <151> PRIOR FILING DATE: 1997-07-16
17 <160> NUMBER OF SEQ ID NOS: 50
19 <170> SOFTWARE: PatentIn Ver. 2.1
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 12
23 <212> TYPE: PRT
24 <213> ORGANISM: Unknown
26 <220> FEATURE:
27 <221> NAME/KEY: PEPTIDE
28 <222> LOCATION: (1)..(12)
29 <223> OTHER INFORMATION: Myosin light chain 1
31 <220> FEATURE:
32 <221> NAME/KEY: PEPTIDE
33 <222> LOCATION: (1)
34 <223> OTHER INFORMATION: May be any amino acid.
36 <220> FEATURE:
37 <221> NAME/KEY: PEPTIDE
38 <222> LOCATION: (2)
39 <223> OTHER INFORMATION: May be any amino acid.
41 <220> FEATURE:
42 <221> NAME/KEY: PEPTIDE
43 <222> LOCATION: (7)
44 <223> OTHER INFORMATION: May be either Pro or Ala.
46 <400> SEQUENCE: 1
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48    1               5                   10
51 <210> SEQ ID NO: 2
52 <211> LENGTH: 12
53 <212> TYPE: PRT
54 <213> ORGANISM: Unknown
56 <220> FEATURE:
57 <221> NAME/KEY: PEPTIDE
58 <222> LOCATION: (1)..(12)
59 <223> OTHER INFORMATION: Myosin light chain 1
61 <220> FEATURE:
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      62 <221> NAME/KEY: PEPTIDE
      63 <222> LOCATION: (1)
      64 <223> OTHER INFORMATION: May be any amino acid.
      66 <400> SEQUENCE: 2
W--> 67 Xaa Pro Ala Pro Ala Ala Ala Pro Ala Ala Ala Pro
      68   1             5                 10
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      72 <211> LENGTH: 11
      73 <212> TYPE: PRT
      74 <213> ORGANISM: Unknown
      76 <220> FEATURE:
      77 <221> NAME/KEY: PEPTIDE
      78 <222> LOCATION: (1)..(11)
      79 <223> OTHER INFORMATION: malate dehydrogenase
      81 <220> FEATURE:
      82 <221> NAME/KEY: PEPTIDE
      83 <222> LOCATION: (1)
      84 <223> OTHER INFORMATION: May be any amino acid.
      86 <220> FEATURE:
      87 <221> NAME/KEY: PEPTIDE
      88 <222> LOCATION: (8)
      89 <223> OTHER INFORMATION: May be any amino acid.
      91 <400> SEQUENCE: 3
W--> 92 Xaa Lys Val Ala Leu Gly Ala Xaa Gly Gly Ile
      93   1             5                 10
      96 <210> SEQ ID NO: 4
      97 <211> LENGTH: 13
      98 <212> TYPE: PRT
      99 <213> ORGANISM: Unknown
     101 <220> FEATURE:
     102 <221> NAME/KEY: PEPTIDE
     103 <222> LOCATION: (1)..(13)
     104 <223> OTHER INFORMATION: ATP g synthase chain
     106 <220> FEATURE:
     107 <221> NAME/KEY: PEPTIDE
     108 <222> LOCATION: (1)
     109 <223> OTHER INFORMATION: May be any amino acid.
     111 <220> FEATURE:
     112 <221> NAME/KEY: PEPTIDE
     113 <222> LOCATION: (2)
     114 <223> OTHER INFORMATION: May be any amino acid.
     116 <400> SEQUENCE: 4
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     118   1             5                 10
     121 <210> SEQ ID NO: 5
     122 <211> LENGTH: 10
     123 <212> TYPE: PRT
     124 <213> ORGANISM: Unknown
     126 <220> FEATURE:
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Input Set : A:\PTO.AMC.TXT
Output Set: N:\CRF4\04012005\I115589E.raw

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127 <221> NAME/KEY: PEPTIDE
128 <222> LOCATION: (1)..(10)
129 <223> OTHER INFORMATION: ATP synthase oligomycin conferring protein
131 <220> FEATURE:
132 <221> NAME/KEY: PEPTIDE
133 <222> LOCATION: (1)
134 <223> OTHER INFORMATION: May be any amino acid.
136 <220> FEATURE:
137 <221> NAME/KEY: PEPTIDE
138 <222> LOCATION: (2)
139 <223> OTHER INFORMATION: May be any amino acid.
141 <400> SEQUENCE: 5
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143    1               5                   10
146 <210> SEQ ID NO: 6
147 <211> LENGTH: 10
148 <212> TYPE: PRT
149 <213> ORGANISM: Unknown
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153 <222> LOCATION: (1)..(10)
154 <223> OTHER INFORMATION: serum albumin
156 <220> FEATURE:
157 <221> NAME/KEY: PEPTIDE
158 <222> LOCATION: (1)
159 <223> OTHER INFORMATION: May be any amino acid.
161 <400> SEQUENCE: 6
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163    1               5                   10
166 <210> SEQ ID NO: 7
167 <211> LENGTH: 11
168 <212> TYPE: PRT
169 <213> ORGANISM: Unknown
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172 <221> NAME/KEY: PEPTIDE
173 <222> LOCATION: (1)..(11)
174 <223> OTHER INFORMATION: triose phosphate isomerase
176 <220> FEATURE:
177 <221> NAME/KEY: PEPTIDE
178 <222> LOCATION: (1)
179 <223> OTHER INFORMATION: May be any amino acid.
181 <220> FEATURE:
182 <221> NAME/KEY: PEPTIDE
183 <222> LOCATION: (4)
184 <223> OTHER INFORMATION: May be Arg or Leu.
186 <400> SEQUENCE: 7
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W--> 187 Xaa Pro Ser Xaa Lys Phe Phe Val Gly Gly Asn
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188    1               5                   10
191 <210> SEQ ID NO: 8
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193 <212> TYPE: PRT
194 <213> ORGANISM: Unknown
196 <220> FEATURE:
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198 <222> LOCATION: (1)..(209)
199 <223> OTHER INFORMATION: Human cardiac troponin I
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Swiss prot identification number P19429
204 <300> PUBLICATION INFORMATION:
205 <303> JOURNAL: FEBS Lett.
206 <304> VOLUME: 270
207 <305> ISSUE: 1-2
208 <306> PAGES: 57-61
209 <307> DATE: 1990-09-17
211 <400> SEQUENCE: 8
212 Ala Asp Gly Ser Ser Asp Ala Ala Arg Glu Pro Arg Pro Ala Pro Ala
213  1               5                  10                  15
215 Pro Ile Arg Arg Arg Ser Ser Asn Tyr Arg Ala Tyr Ala Thr Glu Pro
216             20                  25                  30
218 His Ala Lys Lys Lys Ser Lys Ile Ser Ala Ser Arg Lys Leu Gln Leu
219          35                  40                  45
221 Lys Thr Leu Leu Leu Gln Ile Ala Lys Gln Glu Leu Glu Arg Glu Ala
222      50                  55                  60
224 Glu Glu Arg Arg Gly Glu Lys Gly Arg Ala Leu Ser Thr Arg Cys Gln
225 65                  70                  75                  80
227 Pro Leu Glu Leu Ala Gly Leu Gly Phe Ala Glu Leu Gln Asp Leu Cys
228             85                  90                  95
230 Arg Gln Leu His Ala Arg Val Asp Lys Val Asp Glu Glu Arg Tyr Asp
231             100                 105                 110
233 Ile Glu Ala Lys Val Thr Lys Asn Ile Thr Glu Ile Ala Asp Leu Thr
234          115                 120                 125
236 Gln Lys Ile Phe Asp Leu Arg Gly Lys Phe Lys Arg Pro Thr Leu Arg
237      130                 135                 140
239 Arg Val Arg Ile Ser Ala Asp Ala Met Met Gln Ala Leu Leu Gly Ala
240 145                 150                 155                 160
242 Arg Ala Lys Glu Ser Leu Asp Leu Arg Ala His Leu Lys Gln Val Lys
243             165                 170                 175
245 Lys Glu Asp Thr Glu Lys Glu Asn Arg Glu Val Gly Asp Trp Arg Lys
246             180                 185                 190
248 Asn Ile Asp Ala Leu Ser Gly Met Glu Gly Arg Lys Lys Lys Phe Glu
249          195                 200                 205
251 Ser
255 <210> SEQ ID NO: 9
256 <211> LENGTH: 186
257 <212> TYPE: PRT
258 <213> ORGANISM: Unknown
260 <220> FEATURE:
261 <221> NAME/KEY: PEPTIDE
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262 <222> LOCATION: (1)..(186)
263 <223> OTHER INFORMATION: Human slow skeletal troponin I
265 <220> FEATURE:
266 <223> OTHER INFORMATION: Swiss prot identification number P19237
268 <300> PUBLICATION INFORMATION:
269 <303> JOURNAL: Genomics
270 <304> VOLUME: 7
271 <305> ISSUE: 3
272 <306> PAGES: 346-357
273 <307> DATE: Jul-1990
275 <400> SEQUENCE: 9
276 Pro Glu Val Glu Arg Lys Pro Lys Ile Thr Ala Ser Arg Lys Leu Leu
277  1               5                   10                  15
279 Leu Lys Ser Leu Met Leu Ala Lys Ala Lys Glu Cys Trp Glu Gln Glu
280             20                  25                  30
282 His Glu Glu Arg Glu Ala Glu Lys Val Arg Tyr Leu Ala Glu Arg Ile
283             35                  40                  45
285 Pro Thr Leu Gln Thr Arg Gly Leu Ser Leu Ser Ala Leu Gln Asp Leu
286         50                  55                  60
288 Cys Arg Glu Leu His Ala Lys Val Glu Val Val Asp Glu Glu Arg Tyr
289  65                  70                  75                  80
291 Asp Ile Glu Ala Lys Cys Leu His Asn Thr Arg Glu Ile Lys Asp Leu
292                 85                  90                  95
294 Lys Leu Lys Val Met Asp Leu Arg Gly Lys Phe Lys Arg Pro Pro Leu
295             100                 105                 110
297 Arg Arg Val Arg Val Ser Ala Asp Ala Met Leu Arg Ala Leu Leu Gly
298         115                 120                 125
300 Ser Lys His Lys Val Ser Met Asp Leu Arg Ala Asn Leu Lys Ser Val
301     130                 135                 140
303 Lys Lys Glu Asp Thr Glu Lys Glu Arg Pro Val Glu Val Gly Asp Trp
304 145                 150                 155                 160
306 Arg Lys Asn Val Glu Ala Met Ser Gly Met Glu Gly Arg Lys Lys Met
307             165                 170                 175
309 Phe Asp Ala Ala Lys Ser Pro Thr Ser Gln
310             180                 185
313 <210> SEQ ID NO: 10
314 <211> LENGTH: 181
315 <212> TYPE: PRT
316 <213> ORGANISM: Unknown
318 <220> FEATURE:
319 <221> NAME/KEY: PEPTIDE
320 <222> LOCATION: (1)..(181)
321 <223> OTHER INFORMATION: Human fast skeletal troponin I
323 <220> FEATURE:
324 <223> OTHER INFORMATION: Swiss prot identification number P48788
326 <300> PUBLICATION INFORMATION:
327 <303> JOURNAL: Biochim. Biophys. Acta
328 <304> VOLUME: 1217
329 <306> PAGES: 338-340
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 04/01/2005
PATENT APPLICATION: **US/09/115,589E**   TIME: 17:12:38

Input Set : **A:\PTO.AMC.TXT**
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1,2,7
Seq#:2; Xaa Pos. 1
Seq#:3; Xaa Pos. 1,8
Seq#:4; Xaa Pos. 1,2
Seq#:5; Xaa Pos. 1,2
Seq#:6; Xaa Pos. 1
Seq#:7; Xaa Pos. 1,4

Invalid Line Length:
The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:36; Line(s) 1562

VERIFICATION SUMMARY   DATE: 04/01/2005
PATENT APPLICATION: **US/09/115,589E**   TIME: 17:12:38

Input Set : **A:\PTO.AMC.TXT**
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L:47 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:67 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:92 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:142 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0